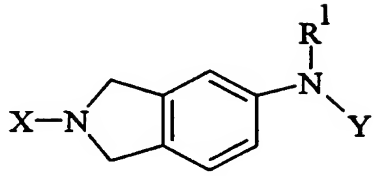
CLAIMS

What is claimed is:

1. Compounds having the Formula I:



I

or the pharmaceutically acceptable salts thereof,

wherein

X is phenyl or substituted phenyl;

Y is phenyl, substituted phenyl, pyridyl, or substituted pyridyl;

wherein substituted phenyl and substituted pyridyl can have from 1 to 4 substituents, each independently selected from $-OC_1$-C_{12}alkyl, halogen, $-C_1$-C_6alkyl, phenyl, $-CNHR''$, $-CNH-S-R'$, $-S-R'$, $-CO_2H$, $-CO_2R^1$, $-NO_2$, $-CF_3$, $-CN$, $-NR^1R^2$, $-(CH_2)_nCO_2H$, $-(CH_2)_nCO_2R^1$, $-SO_2NR^1R^2$, tetrazole, $-(CH_2)_n$-tetrazole, decahydroisoquinoline, imidazole, $-(CH_2)_n$ imidazole, -CH=CH-tetrazole, -CH=CH-imidazole, or phenyl;

R^1 and R^2 independently are hydrogen or C_1-C_6alkyl; and

each n is independently 0 to 5 inclusive.

R'' is hydrogen, C_1-C_6alkyl, or phenyl; and

R' is hydrogen, C_1-C_6alkyl, $-CF_3$, or phenyl.

2. A compound in accordance with Claim 1 wherein

X is substituted phenyl and the substituted phenyl has from 1 to 3 substituents independently selected from $-OC_1$-C_6alkyl, halogen, C_1-C_6alkyl, $-CF_3$, or phenyl.

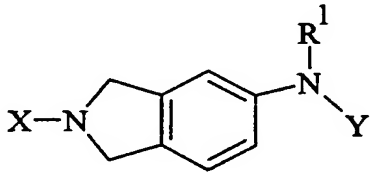
3. A compound in accordance with Claim 1 wherein
Y is substituted phenyl and the substituted phenyl has from 1 to 3 substituents independently selected from $-CO_2H$, $-NO_2$, $-OC_1$-C_{12} alkyl, -CN, tetrazole, $-(CH_2)_nCO_2H$, $-SO_2NR^1R^2$, $-CF_3$, imidazole, $-(CH_2)_n$-tetrazole, $-(CH_2)_n$ imidazole, -CH=CH-tetrazole, or -CH=CH-imidazole.

4. A compound in accordance with Claim 1 wherein
Y is substituted phenyl and the substituted phenyl has from 1 to 3 substituents, one of which is selected from $-CO_2H$.

5. A compound in accordance with Claim 4 wherein the $-CO_2H$ group is located at the 2-position of the phenyl ring.

6. A compound in accordance with Claim 2 wherein the substituted phenyl has two chlorine substituents located at the 3 and 4 positions of the phenyl ring.

7. Compounds having the Formula I:



I

or the pharmaceutically acceptable salts thereof,
wherein
X is phenyl or substituted phenyl,
wherein when X is substituted phenyl, the substituted phenyl has from 1 to 4 substituents independently selected from $-OC_1$-C_6alkyl, halogen, C_1-C_6alkyl, $-CF_3$, or phenyl;
Y is phenyl or substituted phenyl,
wherein when Y is substituted phenyl, the substituted phenyl has from 1 to 4 substituents independently selected from $-CO_2H$, $-NO_2$,

$-OC_1$-C_{12}alkyl, -CN, $-CF_3$, $-(CH_2)_nCO_2H$, $-SO_2NR^1R^2$, tetrazole, $-(CH_2)_n$-tetrazole, imidazole, $-(CH_2)_n$ imidazole, -CH=CH-tetrazole, or -CH=CH-imidazole;

R^1 and R^2 independently are hydrogen or C_1-C_6alkyl; and

each n is independently 0 to 5 inclusive.

8. The compounds:

2-[2-(2,3,4-Trimethoxy-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

5-Nitro-2-[2-(3,4,5-trimethoxyphenyl)-2,3-dihydro-1H-isoindol-5-ylamino]benzoic acid;

4-Methoxy-5-nitro-2-[2-(3,4,5-trimethoxyphenyl)-2,3-dihydro-1H-isoindol-5-ylamino]benzoic acid;

2-[2-(3,4-Dichlorophenyl)-2,3-dihydro-1H-isoindol-5-ylamino]benzoic acid;

2-[2-(3,4-Dichlorophenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-nitro-benzoic acid;

2-[2-(3,4-Dichlorophenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-4-methoxy-5-nitro-benzoic acid;

2-[2-(3-Chlorophenyl)-2,3-dihydro-1H-isoindol-5-ylamino]benzoic acid;

2-[2-(4-Chlorophenyl)-2,3-dihydro-1H-isoindol-5-ylamino]benzoic acid;

2-[2-(3,4-Dimethylphenyl)-2,3-dihydro-1H-isoindol-5-ylamino]benzoic acid;

2-[2-(4-Chloro-3-trifluoromethylphenyl)-2,3-dihydro-1H-isoindol-5-ylamino]benzoic acid;

2-[2-Biphenyl-4-yl-2,3-dihydro-1H-isoindol-5-ylamino]benzoic acid; or

2-[2-(3-Chlorophenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-nitro-benzoic acid.

9. The compounds:

2-(2-Phenyl-2,3-dihydro-1H-isoindol-5-ylamino)-benzoic acid;

5-Nitro-2-(2-phenyl-2,3-dihydro-1H-isoindol-5-ylamino)-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzonitrile;

[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-yl]-(2-tetrazol-1-yl-phenyl)-amine;

{2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-phenyl}-acetic acid;

3-{2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-phenyl}-propionic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-6-nitro-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-4-nitro-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-3-nitro-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-methanesulfonyl-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-sulfamoyl-benzoic acid;

4-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-isophthalic acid;

3-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-phthalic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-trifluoromethyl-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-imidazol-1-yl-benzoic acid;

[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-yl]-(2-tetrazol-1-ylmethyl-phenyl)-amine;

[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-yl]-[2-(2-tetrazol-1-yl-ethyl)-phenyl]-amine;

[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-yl]-[2-(2-tetrazol-1-yl-vinyl)-phenyl]-amine;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-methyl-benzoic acid; or

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-3-methyl-benzoic acid.

10. The compounds:

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-4-nitro-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-3,5-dinitro-benzoic acid;

3-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-2-methyl-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-4-methoxy-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-4-propoxy-benzoic acid;

4-Butoxy-2-[2-(3,4-dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-4-pentyloxy-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-4-hexyloxy-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-4-heptyloxy-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-4-octyloxy-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-4-nonyloxy-benzoic acid;

4-Decyloxy-2-[2-(3,4-dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-4-isopropoxy-benzoic acid;

2-[2-(4-Chloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-nitro-benzoic acid;

2-[2-(4-Chloro-3-trifluoromethyl-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-nitro-benzoic acid;

2-(2-Biphenyl-4-yl-2,3-dihydro-1H-isoindol-5-ylamino)-5-nitro-benzoic acid; or

2-[2-(3,4-Dimethyl-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-nitro-benzoic acid.

11. The compounds:

2-[2-(3,4-Dimethyl-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-nitro-benzoic acid;

2-(2-Phenyl-2,3-dihydro-1H-isoindol-5-ylamino)-benzoic acid.

2-[2-(3-Chloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-nitro-benzoic acid;

2-[2-(4-Chloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-nitro-benzoic acid

[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-yl]-[2-(1H-tetrazol-5-yl)-phenyl]-amine;

5-Amino-2-[2-(3,4-dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

5-Nitro-2-(2-phenyl-2,3-dihydro-1H-isoindol-5-ylamino)-benzoic acid;

2-[2-(4-Chloro-3-trifluoromethyl-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-nitro-benzoic acid;

2-[2-(3-Fluoro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-nitro-benzoic acid;

2-[2-(3-Methoxy-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-nitro-benzoic acid;

2-[2-(3-Fluoro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-fluoro-benzoic acid; and

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-nicotinic acid.

12. The compounds:

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-methoxy-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-3-nitro-benzoic acid;

3-Nitro-2-{2-[(4aS,8aR)-4-(octahydro-isoquinolin-2-yl)-phenyl]-2,3-dihydro-1H-isoindol-5-ylamino}-benzoic acid;

2-{2-[(4aS,8aR)-4-(Octahydro-isoquinolin-2-yl)-phenyl]-2,3-dihydro-1H-isoindol-5-ylamino}-benzoic acid;

4-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-nicotinic acid;

2-[2-(4-Dibutylamino-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(3-Dibutylamino-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(3-Bromo-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(2-Chloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

5-Dibutylamino-2-[2-(3,4-dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-5-methoxy-benzoic acid;

4-[2-(3,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-isophthalic acid;

2-(2-Biphenyl-4-yl-2,3-dihydro-1H-isoindol-5-ylamino)-benzoic acid;

2-[2-(3,4-Dimethoxy-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(3,4-Dihydroxy-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(3,4-Difluoro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(3-Fluoro-4-methyl-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(3,4,5-Trihydroxy-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(4-Methyl-3-trifluoromethyl-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(3,5-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(2,4-Dichloro-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(4-Fluoro-3-trifluoromethyl-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid;

2-[2-(3,4,5-Trimethoxy-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzonitrile; or

2-[2-(3-Methoxy-phenyl)-2,3-dihydro-1H-isoindol-5-ylamino]-benzoic acid.

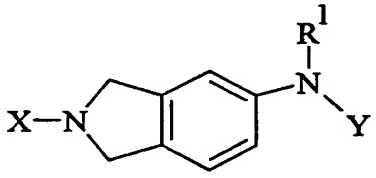
13. A pharmaceutical composition comprising a compound of Claim 1 together with a pharmaceutically acceptable carrier, diluent, or excipient therefor.

14. A method of treating Alzheimer's disease, the method comprising administering to a patient having Alzheimer's disease a therapeutically effective amount of a compound of Claim 1.

15. A method of inhibiting the aggregation of amyloid proteins to form amyloid deposits, the method comprising administering to a patient in need of inhibition of the aggregation of amyloid proteins an amyloid protein aggregation inhibiting amount of a compound of Claim 1.

16. A method of imaging amyloid deposits, the method comprising the steps of:

a. introducing into a patient a detectable quantity of a labeled compound of Formula I



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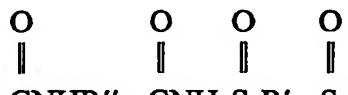
or a pharmaceutically acceptable salts thereof,

wherein

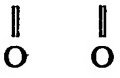
X is phenyl or substituted phenyl;

Y is phenyl, substituted phenyl, pyridyl, or substituted pyridyl;

wherein substituted phenyl and substituted pyridyl can have from 1 to 4 substituents, each independently selected from -OC_1-C_{12}alkyl, halogen, -C_1-C_6alkyl, phenyl, -CO_2H, -CO_2R^1, -NO_2, -CF_3, -CN,



-$(CH_2)_nCO_2H$,



-$(CH_2)_nCO_2R^1$, -$SO_2NR^1R^2$, tetrazole, -$(CH_2)_n$-tetrazole, decahydroisoquinoline, imidazole, -$(CH_2)_n$ imidazole, -CH=CH-tetrazole, phenyl or -CH=CH-imidazole;

R^1 and R^2 independently are hydrogen or C_1-C_6alkyl; and each n is independently 0 to 5 inclusive.

R″ is hydrogen, C_1-C_6alkyl, or phenyl;

R′ is hydrogen, C_1-C_6alkyl, -CF_3, or phenyl;

b. allowing sufficient time for the labeled compound to become associated with amyloid deposits; and

c. detecting the labeled compound associated with the amyloid deposits.

17. The method of Claim 16 wherein the patient has or is suspected to have Alzheimer's disease.

18. The method of Claim 16 wherein the labeled compound is a radiolabeled compound.

19. The method of Claim 16 wherein the labeled compound is detected using MRI.